

Title (en)

A self-centring chuck with balanced jaws.

Title (de)

Selbstzentrierendes Futter mit balancierenden Spannbacken.

Title (fr)

Mandrin autocentrant avec des mors balancés.

Publication

EP 0400533 A1 19901205 (EN)

Application

EP 90110071 A 19900528

Priority

IT 6741589 A 19890530

Abstract (en)

A self-centring chuck (1) for machine tools comprises a plurality of false jaws (7) each of which has an associated compensating mass (12) mounted for radial sliding in the body (3) of the chuck (1) and connected to the respective false jaw by means of a two-armed lever (32) which is articulated about an axis tangential to the axis (A) of rotation of the chuck (1). The two-armed levers (32) are interconnected in adjacent pairs of levers by means of rocker arms (34) which pivot about axes parallel to the axis of rotation of the chuck (1) and carry the articulation pins of the two adjacent levers (32).

IPC 1-7

B23B 31/14; B23B 31/16

IPC 8 full level

B23B 31/14 (2006.01); **B23B 31/175** (2006.01); **B23B 31/177** (2006.01)

CPC (source: EP US)

B23B 31/141 (2021.01 - EP US); **B23B 31/16229** (2013.01 - EP); **B23B 31/16266** (2013.01 - EP)

Citation (search report)

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- [Y] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 23 (M-93), 26th February 1980, page 21 M 93; & JP-A-54 159 785 (HOWA KOGYO K.K.) 17-12-1979

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